UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

# DISCHARGE DATA AT WATER-QUALITY MONITORING STATIONS IN ARKANSAS, 1980 WATER YEAR

By R. K. Knott

Open-File Report 82-157

Prepared in cooperation with the

Arkansas Department of Pollution Control and Ecology

Little Rock, Arkansas
1981

## CONTENTS


| | Page |
|---|---|
| Introduction | 1 |
| Objectives | 1 |
| Accomplishments | 2 |
| Explanation of footnotes and terms used | 2 |
| Work plans | 3 |


## TABLES


| | Page |
|---|---|
| Table 1. Discharge at monitoring stations, water year October 1979 through September 1980 | 4 |
| 2. Discharge at monitoring stations, water year October 1978 through September 1979 | 32 |
| 3. Discharge at monitoring stations, water year October 1977 through September 1978 | 34 |

# DISCHARGE DATA AT WATER-QUALITY MONITORING STATIONS IN ARKANSAS, 1980 WATER YEAR

By R. K. Knott

## INTRODUCTION

This is a brief summary of the objectives, accomplishments, and work plans of the cooperative program between the Arkansas Department of Pollution Control and Ecology (ADPC&E) and the U.S. Geological Survey.

## OBJECTIVES

The primary objective of the program is to furnish discharge data for a network of water-quality monitoring stations operated throughout the State by the ADPC&E. Some of the sites are located at Geological Survey or U.S. Army Corps of Engineers daily-discharge stations, but most sites are at points where discharges are not regularly measured.

Discharges at the sites were obtained as follows:

1. For sites located at gaging stations, discharges were obtained from Geological Survey and Corps of Engineers annual publications.
2. For sites not too distant from gaging staions, discharges were estimated by using gaging-station records.

3. For other sites a series of discharge measurements was made at each site to define a stage-discharge curve from which discharge was computed.

## ACCOMPLISHMENTS

All stations in the network were visited by Geological Survey personnel. Discharges on days of sampling were determined for 82 of the sites. A summary of those discharges for the water year 1980 is given in table 1. Several dischares at six sites for miscellaneous dates in the 1979 water year are shown in table 2. Several discharges at four sites for miscellaneous dates in the 1978 year are shown in table 3. The letter-digit station numbers and names in tables 1, 2, and 3 were devised and assigned by the ADPC&E. The corresponding eight-digit numbers are assigned, standard downstream-order station numbers as used by the Geological Survey.

## EXPLANATION OF FOOTNOTES AND TERMS USED

Discharges are given as daily mean or instantaneous. "Daily-mean discharge" is the arithmetic-average discharge for 24 hours. "Instantaneous discharge" is the discharge at the time when the measurements are being made on the stream.

In some footnotes, the degree of accuracy of the data is given. If no footnote is given, the degree of accuracy is good. "Good" means that about 95 percent of the daily discharges are

within 10 percent and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

## WORK PLANS

All sites requiring discharge measurements to define a stage-discharge relation will be visited at regular intervals and measurements will be made as required. Discharge data will be furnished for all stations in the network for days on which quality samples were obtained and as requested by the ADPC&E.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980

[All discharges are in cubic feet per second and are instantaneous except those shown by asterisks, which are daily mean. Abbreviations used: ARK, Arkansas; FRA, St. Francis; OUA, Ouachita, WHI, White]

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 2 (07188910) Butler Creek near Sulphur Springs** | | |
| Sept. 16 | 1245 | 2.2 |
| **ARK 3 (07191179) Spavinaw Creek north of Cherokee City** | | |
| Oct. 23 | 1055 | *13 |
| Nov. 20 | 1025 | *20 |
| Dec. 18 | 1050 | *21 |
| Jan. 22 | 1115 | *26 |
| Feb. 20 | 1055 | *c71 |
| Mar. 18 | 1030 | *78 |
| Apr. 15 | 1040 | *62 |
| May 13 | 1055 | *c40 |
| June 17 | 1050 | *26 |
| July 15 | 1015 | *12 |
| Aug. 12 | 1135 | *5 |
| Sept. 16 | 1203 | *5 |
| **ARK 5 (07195860) Sager Creek near Siloam Springs** | | |
| Apr. 15 | 0933 | 20 |
| May 13 | 0945 | 14 |
| **ARK 6 (07195430) Illinois River south of Siloam Springs** | | |
| Oct. 23 | 0915 | *139 |
| Nov. 20 | 0850 | *118 |
| Dec. 18 | 0920 | *107 |
| Jan. 22 | 0900 | *127 |
| Feb. 20 | 0900 | *192 |
| Mar. 18 | 0910 | *1,030 |
| Apr. 15 | 0952 | *236 |
| May 13 | 0915 | *193 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 6 Illinois River south of Siloam Springs--Continued** | | |
| June 17 | 0920 | *265 |
| July 15 | 0900 | *72 |
| Aug. 12 | 1020 | *54 |
| Sept. 16 | 1025 | *60 |
| **ARK 7 (07196900) Baron Fork at Dutch Mills** | | |
| Oct. 23 | 0835 | 1.8 |
| Nov. 20 | 0810 | 10 |
| Dec. 18 | 0840 | 5.3 |
| Jan. 22 | 0815 | 8.8 |
| Feb. 20 | 0815 | 9.3 |
| Mar. 18 | 0830 | 43 |
| Apr. 15 | 0750 | 11 |
| May 13 | 0815 | 5.6 |
| June 17 | 0835 | 5.3 |
| July 15 | 0825 | .5 |
| Sept. 16 | 0950 | 0 |
| **ARK 15 (07249400) James Fork near Hackett** | | |
| Oct. 9 | 0725 | .70 |
| Nov. 20 | 0800 | 5.2 |
| Dec. 4 | 0810 | 6.7 |
| Jan. 8 | 1310 | 62 |
| Feb. 5 | 1320 | 49 |
| Mar. 4 | 1320 | 41 |
| Apr. 1 | 1320 | 140 |
| May 6 | 1410 | 145 |
| June 3 | 1150 | 57 |
| July 15 | 1100 | 1.8 |
| July 29 | 1130 | 2.7 |
| Aug. 26 | 1115 | 0 |
| Sept. 23 | 0820 | 0 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 16 (07247012) Poteau River south of Bates** | | |
| Oct. 9 | 1530 | 59 |
| Nov. 20 | 1540 | 18 |
| Dec. 4 | 1140 | 19 |
| Jan. 8 | 1115 | 92 |
| Feb. 5 | 1110 | 78 |
| Mar. 4 | 1105 | 47 |
| Apr. 1 | 1130 | 930 |
| May 6 | 1110 | 453 |
| June 3 | 1030 | 70 |
| July 15 | 1220 | 0.8 |
| July 29 | 1010 | 0 |
| Aug. 26 | 1030 | 0 |
| Sept. 23 | 1530 | 0 |
| **ARK 18 (07261250) Cadron Creek West of Conway** | | |
| Oct. 2 | 0930 | 90 |
| Oct. 30 | 1335 | 36 |
| Nov. 27 | 0910 | 1,400 |
| Jan. 15 | 0815 | 670 |
| Feb. 12 | 0830 | 700 |
| Mar. 11 | 1645 | 280 |
| Apr. 15 | 1545 | 4,380 |
| May 13 | 1430 | 1,300 |
| June 10 | 1500 | 52 |
| July 8 | 0845 | 0 |
| Aug. 5 | 0820 | 0 |
| Sept. 2 | 0835 | 0 |
| Sept. 30 | 0830 | 620 |
| **ARK 20 (07265283) Arkansas River at Dam 2, near Gillett** | | |
| Oct. 16 | 1150 | b7,100 |
| Nov. 13 | 1235 | b16,000 |
| Dec. 11 | 1135 | b28,400 |
| Jan. 15 | 1310 | b17,800 |
| Feb. 20 | 1155 | b23,000 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 20 Arkansas River at Dam 2, near Gillett--Continued** | | |
| Mar. 11 | 0935 | b10,700 |
| Apr. 7 | 1155 | b49,300 |
| May 6 | 1300 | b71,100 |
| June 10 | 1150 | b30,100 |
| July 8 | 1350 | b21,400 |
| Aug. 5 | 1100 | b1,800 |
| Sept. 2 | 1240 | b1,800 |
| Sept. 30 | 1130 | b8,860 |
| **ARK 21 (07264050) Bayou Two Prairie near Cabot** | | |
| Oct. 24 | 0900 | 11 |
| Nov. 20 | 1700 | 8.5 |
| Dec. 18 | 1615 | 39 |
| Jan. 22 | 1500 | 160 |
| Feb. 20 | 1600 | 50 |
| Mar. 18 | 1710 | 530 |
| Apr. 15 | 1830 | 655 |
| May 20 | 1730 | 328 |
| June 17 | 1730 | 3 |
| July 16 | 0915 | 0 |
| **ARK 22 (07264000) Bayou Meto near Lonoke** | | |
| Oct. 16 | 0920 | 14 |
| Nov. 13 | 0915 | 38 |
| Dec. 12 | 0850 | 50 |
| Jan. 16 | 0925 | 188 |
| Feb. 21 | 0845 | 172 |
| Mar. 12 | 0855 | 45 |
| Apr. 7 | 0935 | 264 |
| May 6 | 0900 | 175 |
| June 11 | 0930 | 54 |
| July 8 | 0905 | 2 |
| Aug. 5 | 0805 | 1 |
| Sept. 2 | 0915 | 4 |
| Sept. 30 | 0900 | 66 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 23 (07265099) Bayou Meto near Bayou Meto** | | |
| Nov. 13 | 1135 | *47 |
| Dec. 11 | 1300 | *210 |
| Jan. 15 | 1100 | *940 |
| Feb. 20 | 1320 | *1,100 |
| Mar. 11 | 0825 | *230 |
| Apr. 7 | 1355 | *3,800 |
| May 6 | 1120 | *2,800 |
| June 10 | 1330 | *920 |
| Sept. 30 | 1310 | *220 |
| **ARK 24 (07263750) Arkansas River at Lock and Dam 3, near Swan Lake** | | |
| Oct. 16 | 1415 | 3,300 |
| Nov. 13 | 1050 | 15,300 |
| Dec. 11 | 1410 | 24,400 |
| Jan. 15 | 1005 | 13,900 |
| Feb. 20 | 1430 | 23,200 |
| Mar. 11 | 0735 | 12,400 |
| Apr. 7 | 1430 | 53,200 |
| May 6 | 1025 | 66,900 |
| June 10 | 1430 | 26,900 |
| July 8 | 1135 | 23,200 |
| Aug. 5 | 1355 | 0 |
| Sept. 2 | 1030 | 850 |
| Sept. 30 | 1420 | 11,000 |
| **ARK 29 (07263450) Arkansas River at Murray Dam at Little Rock** | | |
| Oct. 24 | 0900 | 5,010 |
| Nov. 20 | 0800 | 7,130 |
| Dec. 10 | 0802 | 20,500 |
| Jan. 22 | 0815 | 17,000 |
| Feb. 13 | 0930 | *20,100 |
| Mar. 26 | 0910 | 53,100 |
| July 15 | 0725 | 16,500 |
| Aug. 12 | 1830 | 5,470 |
| Sept. 16 | 1735 | 5,540 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 30 (07261260) Arkansas River at Toad Suck Ferry Dam, near Conway** | | |
| Oct. 2 | 1250 | b6,400 |
| Oct. 30 | 1220 | b2,200 |
| Nov. 27 | 1220 | b62,000 |
| Jan. 15 | 0845 | b6,400 |
| Feb. 12 | 1520 | b13,400 |
| Mar. 11 | 1620 | b10,400 |
| Apr. 15 | 1530 | b52,800 |
| May 13 | 1350 | b24,400 |
| June 10 | 1440 | b22,400 |
| July 8 | 1415 | b13,400 |
| Aug. 5 | 1500 | b4,400 |
| Sept. 2 | 1445 | b2,200 |
| Sept. 30 | 1415 | b7,400 |
| **ARK 31 (07260660) Arkansas River at Dam No. 9 near Oppelo** | | |
| Oct. 2 | 1150 | b7,100 |
| Oct. 30 | 1120 | b3,600 |
| Jan. 15 | 0950 | b7,100 |
| Feb. 12 | 0910 | b23,400 |
| Mar. 11 | 1520 | b10,700 |
| Apr. 15 | 1430 | b46,600 |
| May 13 | 1245 | b21,400 |
| June 10 | 1330 | b23,400 |
| July 8 | 1300 | b15,200 |
| Aug. 5 | 1400 | b5,400 |
| Sept. 2 | 1300 | b12,500 |
| Sept. 30 | 1300 | b5,400 |
| **ARK 32 (07258000) Arkansas River at Dardanelle** | | |
| Oct. 2 | 1030 | 50 |
| Oct. 30 | 0950 | 57 |
| Nov. 27 | 1000 | 61,800 |
| Jan. 15 | 1115 | 27,300 |
| Feb. 12 | 1020 | 16,800 |
| Mar. 11 | 0750 | 8,260 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 32 Arkansas River at Dardanelle--Continued** | | |
| Apr. 15 | 0830 | 42,400 |
| May 13 | 0920 | 20,300 |
| June 10 | 0915 | 37,600 |
| July 8 | 0945 | 5,260 |
| Aug. 5 | 0915 | 50 |
| Sept. 2 | 0930 | 2,090 |
| Sept. 30 | 0930 | 9,220 |
| **ARK 33 (07252406) Arkansas River at Ozark Dam at Ozark** | | |
| Oct. 9 | 1130 | 9,000 |
| Nov. 20 | 1235 | 19,300 |
| Dec. 4 | 1400 | *32,300 |
| Jan. 8 | 0840 | 17,800 |
| Feb. 5 | 0840 | 19,200 |
| Mar 4 | 0840 | 18,700 |
| Apr. 1 | 0915 | *52,200 |
| May 6 | 0845 | *41,130 |
| June 3 | 0750 | 28,500 |
| July 15 | 1425 | 25,900 |
| July 29 | 0830 | 80 |
| Aug. 26 | 0830 | 9,420 |
| Sept. 23 | 1300 | 30 |
| **ARK 34 (07258500) Petit Jean River near Booneville** | | |
| Oct. 9 | 1320 | .12 |
| Nov. 20 | 1340 | 1.0 |
| Dec. 4 | 1320 | 2.2 |
| Jan. 8 | 1000 | 92 |
| Feb. 5 | 0950 | 53 |
| Mar. 4 | 1000 | 37 |
| Apr. 1 | 1020 | 285 |
| May 6 | 0955 | 215 |
| June 3 | 0910 | 38 |
| July 15 | 1530 | .19 |
| July 29 | 0920 | 0 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 35 (07260640) Petit Jean River near Centerville** | | |
| Oct. 2 | 1100 | *19 |
| Oct. 30 | 1020 | *7 |
| Nov. 27 | 1030 | *12 |
| Jan. 15 | 1135 | *160 |
| Feb. 12 | 1050 | *1,660 |
| Mar. 11 | 0825 | *120 |
| Apr. 15 | 0900 | *5,010 |
| May 13 | 1130 | *768 |
| June 10 | 1215 | *92 |
| July 8 | 1135 | *22 |
| Aug. 5 | 1305 | *5 |
| Sept. 2 | 1145 | *5 |
| Sept. 30 | 1130 | *26 |
| **ARK 37 (07261500) Fourche LaFave River near Gravelly** | | |
| Oct. 9 | 1650 | 3.9 |
| Jan. 15 | 1300 | 163 |
| Feb. 12 | 1145 | 694 |
| Mar. 11 | 0910 | 89.5 |
| Apr. 15 | 1005 | 2,450 |
| May 13 | 1030 | 329 |
| June 10 | 1130 | 68 |
| July 8 | 1045 | 3.3 |
| Aug. 5 | 1200 | .08 |
| Sept. 2 | 1040 | 0 |
| Sept. 30 | 1040 | 665 |
| **ARK 38 (07250500) Arkansas River at Van Buren** | | |
| Oct. 9 | 1035 | 7,690 |
| Nov. 20 | 1145 | 22,800 |
| Dec. 4 | 0945 | 31,900 |
| Jan. 8 | 1530 | 23,600 |
| Feb. 5 | 1710 | 18,100 |
| Apr. 1 | 1610 | 44,400 |
| May 6 | 1640 | 41,100 |
| July 15 | 0730 | 14,500 |
| July 29 | 1410 | 951 |
| Aug. 26 | 1520 | 7,640 |
| Sept. 23 | 1120 | 0 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **ARK 39 (07246400) Arkansas River at Robert Kerr Dam 15 near Sallisaw, Okla.** | | |
| Oct. 9 | 0915 | 0 |
| Nov. 20 | 1015 | 24,300 |
| Dec. 4 | 1025 | 27,600 |
| Feb. 5 | 1600 | 8,400 |
| Mar. 4 | 1545 | 17,500 |
| Apr. 1 | 1500 | 38,800 |
| May 6 | 1555 | 36,800 |
| June 3 | 1420 | 36,900 |
| July 15 | 1015 | 0 |
| July 29 | 1200 | 0 |
| Aug. 26 | 1245 | 0 |
| Sept. 23 | 1000 | 0 |
| **ARK 40 (07194800) Illinois River near Savoy** | | |
| Oct. 23 | 1305 | 11 |
| Nov. 20 | 1220 | 10 |
| Dec. 18 | 1300 | 8.2 |
| Jan. 22 | 1310 | 13 |
| Feb. 20 | 1250 | 28 |
| Mar. 18 | 1235 | 166 |
| Apr. 15 | 1330 | 31 |
| May 13 | 1435 | 37 |
| June 17 | 1435 | 19 |
| July 15 | 1240 | 4.5 |
| Aug. 12 | 0803 | 2.0 |
| Sept. 16 | 1415 | 5.0 |
| **RED 2 (07340000) Little River near Horatio** | | |
| Oct. 16 | 1300 | 795 |
| Nov. 13 | 1230 | 501 |
| Dec. 11 | 1315 | 326 |
| Jan. 15 | 1215 | 1,970 |
| Feb. 12 | 1230 | 6,620 |
| Mar. 11 | 1230 | 3,160 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **RED 2 (07340000) Little River near Horatio--Continued** | | |
| Apr. 15 | 1215 | 10,600 |
| May 6 | 1250 | 2,210 |
| June 10 | 1245 | 5,140 |
| Aug. 5 | 1220 | 393 |
| Aug. 26 | 1230 | 1,170 |
| Sept. 2 | 1130 | 254 |
| **RED 4A (07344300) Days Creek southeast of Texarkana** | | |
| Oct. 9 | 1245 | 15 |
| Nov. 6 | 1300 | c13 |
| Dec. 4 | 1330 | c22 |
| Jan. 8 | 1330 | c12 |
| Feb. 5 | 1315 | c45 |
| Mar. 4 | 1300 | c34 |
| Apr. 1 | 1245 | 662 |
| May 13 | 1300 | c602 |
| June 3 | 1315 | c28 |
| July 8 | 1315 | c115 |
| Aug. 26 | 1300 | c4 |
| Sept. 23 | 1330 | c6 |
| **RED 5 (07344275) Sulphur River south of Texarkana** | | |
| Oct. 9 | 1215 | 2,620 |
| Nov. 6 | 1230 | 1,020 |
| Dec. 4 | 1245 | 167 |
| Jan. 8 | 1215 | 4,660 |
| Feb. 5 | 1200 | 10,600 |
| Mar. 4 | 1145 | 263 |
| Apr. 1 | 1215 | 1,020 |
| May 13 | 1230 | 183 |
| June 3 | 1430 | 4,900 |
| July 8 | 1230 | 519 |
| Aug. 26 | 1245 | 96 |
| Sept. 23 | 1245 | 87 |
| **RED 9 (07344350) Red River at Spring Bank** | | |
| Oct. 9 | 1115 | *5,800 |
| Nov. 6 | 1100 | *4,700 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **RED 9 (07344350) Red River at Spring Bank--Continued** | | |
| Dec. 4 | 1115 | *4,000 |
| Jan. 8 | 1130 | *18,000 |
| Feb. 5 | 1115 | *23,000 |
| Apr. 1 | 1100 | *11,000 |
| May 13 | 1115 | *9,800 |
| June 3 | 1130 | *27,000 |
| July 8 | 1145 | *6,000 |
| Aug. 26 | 1130 | *3,700 |
| Sept. 23 | 1145 | *2,900 |
| **RED 15A (07348650) Bayou Dorcheat near Taylor** | | |
| Oct. 9 | 0930 | *5 |
| Nov. 6 | 0930 | *31 |
| Dec. 4 | 0930 | *182 |
| Jan. 8 | 0945 | *518 |
| Feb. 5 | 0945 | *745 |
| Mar. 4 | 0945 | *254 |
| Apr. 1 | 0915 | *2,470 |
| May 13 | 0900 | *432 |
| June 3 | 0900 | *202 |
| July 8 | 0945 | *10 |
| **RED 21 (07341200) Saline River near Lockesburg** | | |
| Oct. 16 | 1140 | 6.9 |
| Nov. 13 | 1325 | 21 |
| Dec. 11 | 1415 | 18 |
| Jan. 15 | 1340 | 124 |
| Feb. 12 | 1400 | 1,170 |
| Mar. 11 | 1350 | 76 |
| Apr. 15 | 1315 | 644 |
| May 6 | 1340 | 438 |
| June 10 | 1420 | 70 |
| Aug. 5 | 1355 | 22 |
| Aug. 26 | 1330 | 20 |
| Sept. 2 | 1230 | 21 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **RED 22 (07340520) Cossatot River near Lockesburg** | | |
| Oct. 16 | 1200 | *34 |
| Nov. 13 | 1300 | *102 |
| Dec. 11 | 1400 | *65 |
| Jan. 15 | 1310 | *290 |
| Feb. 12 | 1328 | *854 |
| Mar. 11 | 1325 | *87 |
| Apr. 15 | 1335 | *2,320 |
| May 6 | 1315 | *1,000 |
| June 10 | 1320 | *106 |
| Aug. 5 | 1320 | *31 |
| Aug. 26 | 1300 | *29 |
| Sept. 2 | 1205 | *33 |
| **RED 25 (07336860) Red River near Foreman** | | |
| Oct. 9 | 1445 | *2,960 |
| Nov. 6 | 1430 | *1,650 |
| Dec. 4 | 1500 | *1,050 |
| Jan. 8 | 1530 | *1,800 |
| Feb. 5 | 1500 | *4,280 |
| Mar. 4 | 1445 | *4,020 |
| Apr. 1 | 1445 | *4,000 |
| May 13 | 1515 | *2,570 |
| June 3 | 1500 | *22,500 |
| July 8 | 1515 | *3,350 |
| Aug. 26 | 1500 | *3,480 |
| Sept. 23 | 1515 | *1,940 |
| **RED 27 (07349440) Bodcaw Creek near Lewisville** | | |
| Oct. 9 | 0800 | 31 |
| Nov. 6 | 0800 | 80 |
| Dec. 4 | 0800 | 110 |
| Jan. 8 | 0830 | 334 |
| Feb. 5 | 0830 | 508 |
| Mar. 4 | 0830 | 268 |
| Apr. 1 | 0800 | 1,230 |
| May 13 | 0800 | 375 |
| June 3 | 0815 | 128 |
| July 8 | 0900 | 50 |
| Aug. 26 | 2030 | 11 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **FRA 5A (07047400) Pemiscott Bayou near Dell** | | |
| Oct. 30 | 1230 | 242 |
| Nov. 20 | 1547 | 28 |
| Jan. 29 | 1340 | 14 |
| Mar. 25 | 1610 | 160 |
| Apr. 22 | 1430 | 29 |
| May 20 | 0700 | 28 |
| June 24 | 0830 | 310 |
| July 22 | 0810 | 10 |
| Aug. 19 | 1755 | 10 |
| **OUA 2 (07365800) Cornie Bayou near Three Creeks** | | |
| Oct. 2 | 1450 | 0.24 |
| Oct. 29 | 1430 | 5.5 |
| Nov. 27 | 1200 | 291 |
| Jan. 29 | 0800 | 407 |
| Feb. 26 | 1309 | 68 |
| Mar. 25 | 1300 | 475 |
| Apr. 22 | 0758 | 378 |
| June 3 | 1345 | 40 |
| June 23 | 1626 | 29 |
| July 22 | 0940 | 1.8 |
| Aug. 19 | 1325 | 2.6 |
| Sept. 16 | 1230 | 6 |
| **OUA 5 (07364600) Bayou de Loutre near El Dorado** | | |
| Oct. 2 | 1330 | 11 |
| Oct. 29 | 1330 | 21 |
| Nov. 27 | 1300 | 88 |
| Jan. 29 | 0845 | 80 |
| Feb. 26 | 1410 | 8 |
| Mar. 25 | 1400 | 122 |
| Apr. 22 | 0900 | 60 |
| June 3 | 1445 | 21 |
| June 23 | 1737 | 27 |
| July 22 | 0820 | 14 |
| Aug. 19 | 1443 | 14 |
| Sept. 16 | 1325 | 16 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 6 (07359500) Ouachita River near Malvern** | | |
| Dec. 18 | 1000 | 2,300 |
| Jan. 16 | 0930 | 981 |
| Feb. 13 | 0830 | 217 |
| Mar. 12 | 0850 | 2,210 |
| Apr. 16 | 0830 | 1,350 |
| May 7 | 0820 | 143 |
| June 11 | 0810 | 76 |
| Aug. 6 | 0825 | 155 |
| Aug. 27 | 0830 | 69 |
| Sept. 3 | 0820 | 67 |
| **OUA 7A (07362400) Ouachita River at Lock and Dam 8, near Calion** | | |
| Oct. 2 | 1205 | *2,900 |
| Oct. 29 | 1545 | *2,000 |
| Nov. 27 | 1400 | *11,000 |
| Jan. 29 | 1030 | *19,000 |
| Feb. 26 | 1512 | *5,000 |
| Mar. 25 | 1521 | *15,000 |
| Apr. 22 | 1038 | *18,000 |
| June 3 | 1545 | *8,800 |
| June 24 | 0730 | *1,700 |
| July 22 | 1130 | *1,400 |
| Aug. 19 | 1550 | *1,800 |
| Sept. 16 | 1425 | *1,000 |
| **OUA 8 (07364080) Ouachita River near Felsenthal** | | |
| Oct. 23 | 1325 | *c3,180 |
| Nov. 20 | 1515 | *3,610 |
| Dec. 10 | 1200 | *c5,440 |
| July 15 | 1530 | *c2,900 |
| Aug 12 | 1445 | *c926 |
| Sept. 16 | 1305 | *846 |
| **Oua 10A (07364012) Saline River near Fountain Hill** | | |
| Nov. 20 | 1600 | *573 |
| Dec. 10 | 1110 | *890 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 10A Saline River near Fountain Hill--Continued** | | |
| Jan. 22 | 1145 | *4,640 |
| Feb. 12 | 0945 | *9,280 |
| Mar. 25 | 0930 | *19,100 |
| July 15 | 1630 | *90 |
| Aug. 12 | 1600 | *73 |
| Aug. 26 | 1125 | *52 |
| Sept. 16 | 1405 | *10 |
| **OUA 13 (07364200) Bayou Bartholomew near Jones, La.** | | |
| Oct. 23 | 1400 | *c158 |
| Nov. 20 | 1400 | *c312 |
| Dec. 10 | 1345 | *c2,710 |
| Jan. 22 | 1400 | *c1,750 |
| Feb. 12 | 1220 | *c2,850 |
| Mar. 25 | 1215 | *c3,620 |
| July 15 | 1330 | *110 |
| Aug. 12 | 1425 | *69 |
| Sept. 16 | 1120 | *82 |
| **OUA 21 (07356000) Ouachita River near Mount Ida** | | |
| Oct. 16 | 0900 | c37 |
| Nov. 13 | 0905 | c136 |
| Dec. 11 | 0920 | 82 |
| Jan. 15 | 0930 | 251 |
| Feb. 12 | 0955 | 1,010 |
| Mar. 11 | 0945 | c126 |
| Apr. 15 | 0930 | c2,160 |
| May 6 | 0930 | c835 |
| June 11 | 0945 | c100 |
| Aug. 5 | 1000 | 23 |
| Aug. 26 | 0945 | c6.6 |
| Sept. 2 | 0920 | c17 |
| **OUA 22 (07360200) Little Missouri River near Langly** | | |
| Oct. 16 | 1020 | 61 |
| Nov. 13 | 1435 | 39 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 22 Little Missouri River near Langly--Continued** | | |
| Dec. 11 | 1520 | 27 |
| Jan. 15 | 1450 | 106 |
| Feb. 12 | 1505 | 300 |
| Apr. 15 | 1430 | 440 |
| May 6 | 1450 | 580 |
| June 10 | 1530 | 33.5 |
| Aug. 5 | 1515 | 20 |
| Aug. 26 | 1445 | 3 |
| Sept. 2 | 1340 | 3 |
| **OUA 23 (07359770) Caddo River near Amity** | | |
| Oct. 16 | 1510 | 44 |
| Nov. 13 | 1530 | 94 |
| Dec. 11 | 1615 | 71 |
| Jan. 15 | 1600 | 100 |
| Mar. 11 | 1600 | 79 |
| Apr. 15 | 1600 | 1,400 |
| May 6 | 1540 | 340 |
| June 10 | 1630 | 86 |
| Aug. 5 | 1615 | 19 |
| Aug. 26 | 1545 | 8 |
| Sept. 2 | 1430 | 15 |
| **OUA 24 (07358501) Ouachita River at Carpenter Dam, near Hot Springs** | | |
| Oct. 16 | 1620 | 4,070 |
| Nov. 13 | 1630 | 4,400 |
| Dec. 12 | 0820 | 3,900 |
| Jan. 15 | 1700 | 0 |
| Feb. 12 | 1710 | 2,710 |
| Mar. 11 | 1700 | 0 |
| Apr. 15 | 1700 | 0 |
| May 6 | 1700 | 3,050 |
| June 10 | 1730 | 2,880 |
| Aug. 5 | 1715 | 3,560 |
| Aug. 26 | 1656 | 3,220 |
| Sept. 2 | 1530 | 3,560 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 25 (07357501) Ouachita River at Blakely Mountain Dam, near Hot Springs** | | |
| Oct. 16 | 1745 | 3,250 |
| Nov. 13 | 0815 | 1,000 |
| Dec. 11 | 0825 | 3,500 |
| Jan. 15 | 0820 | 2,800 |
| Feb. 12 | 0845 | 3,500 |
| Mar. 11 | 0830 | 3,950 |
| Apr. 15 | 0830 | 0 |
| May 6 | 0825 | 0 |
| June 10 | 0830 | 0 |
| Aug. 5 | 0830 | 0 |
| Aug. 26 | 0830 | 0 |
| Sept. 2 | 0815 | 0 |
| **OUA 26 (07363002) Saline River west of Benton** | | |
| Oct. 2 | 1936 | 81 |
| Oct. 29 | 0930 | 104 |
| Nov. 27 | 0805 | 540 |
| Jan. 29 | 1500 | 442 |
| Feb. 26 | 0837 | 260 |
| Mar. 25 | 0833 | 1,810 |
| Apr. 22 | 1500 | 589 |
| June 3 | 0851 | 205 |
| June 24 | 1130 | 93 |
| July 22 | 1620 | 25 |
| Aug. 19 | 0830 | 31 |
| Sept. 16 | 0835 | 17 |
| **OUA 27 (07362110) Smackover Creek north of Smackover** | | |
| Oct. 2 | 1610 | 15 |
| Oct. 29 | 1220 | c105 |
| Nov. 27 | 1100 | 973 |
| Jan. 29 | 0935 | 1,020 |
| Feb. 26 | 1207 | 230 |
| Mar. 25 | 1123 | 1,840 |
| Apr. 22 | 0956 | c926 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 27 Smackover Creek north of Smackover--Continued** | | |
| June 3 | 1230 | 132 |
| June 24 | 0630 | c70 |
| July 22 | 1040 | c6 |
| Aug. 19 | 1150 | c1.5 |
| Sept. 16 | 1125 | c1.9 |
| **OUA 28 (07362550) Moro Creek near Banks** | | |
| Oct. 2 | 1105 | 27 |
| Oct. 29 | 1640 | 22 |
| Nov. 27 | 1500 | 1,180 |
| Jan. 29 | 1155 | 1,850 |
| Feb. 26 | 1607 | 210 |
| Mar. 25 | 1611 | 3,650 |
| Apr. 22 | 1123 | 1,360 |
| June 3 | 1638 | 210 |
| June 23 | 2030 | 22 |
| July 22 | 1315 | 0 |
| **OUA 29 (07360162) Ouachita River near Sparkman** | | |
| Oct. 2 | 1755 | *2,760 |
| Oct. 29 | 1110 | *2,480 |
| Nov. 27 | 0945 | *4,280 |
| Feb. 26 | 1014 | *3,900 |
| Mar. 25 | 1000 | *13,000 |
| Apr. 22 | 1325 | *4,460 |
| June 3 | 1030 | *5,120 |
| June 24 | 0950 | *968 |
| July 22 | 1545 | *412 |
| Aug. 19 | 1020 | *719 |
| Sept. 16 | 1000 | *1,100 |
| **OUA 30 (07359580) Ouachita River near Donaldson** | | |
| Oct. 16 | 0900 | *3,160 |
| Dec. 12 | 0920 | *2,180 |
| Jan. 16 | 0905 | *1,880 |
| Feb. 13 | 0915 | *3 280 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 30 Ouachita River near Donaldson--Continued** | | |
| Mar. 12 | 0925 | *1,850 |
| Apr. 15 | 0915 | *7,220 |
| May 7 | 0910 | *1,900 |
| June 11 | 0845 | *521 |
| Aug. 6 | 0900 | *839 |
| Aug. 27 | 0900 | *552 |
| Sept. 3 | 0900 | *614 |
| **OUA 31 (07363270) Hurricane Creek near Sardis** | | |
| Oct. 2 | 1900 | c20 |
| Oct. 29 | 0855 | c16 |
| Nov. 27 | 1650 | c68 |
| Jan. 29 | 1430 | c58 |
| Feb. 26 | 1804 | c23 |
| Mar. 25 | 1809 | 215 |
| Apr. 22 | 1540 | c69 |
| June 3 | 1830 | 24 |
| June 24 | 1220 | 4 |
| July 22 | 1657 | 0.5 |
| Aug. 19 | 1843 | c0.5 |
| Sept. 16 | 1715 | 0.3 |
| **OUA 32 (07367666) Big Bayou near Jerome** | | |
| Oct. 23 | 1155 | bd0 |
| Nov. 20 | 1130 | bd0 |
| July 15 | 1115 | bd0 |
| Aug. 12 | 1040 | bd23 |
| Sept. 16 | 0920 | bd18 |
| **OUA 35 (07361600) Little Missouri River near Boughton** | | |
| Oct. 9 | 1600 | *73 |
| Nov. 6 | 1630 | *87 |
| Dec. 4 | 1700 | *164 |
| Jan. 8 | 1715 | *404 |
| Feb. 5 | 1700 | *938 |
| Mar. 4 | 1700 | *303 |
| Apr. 1 | 1630 | *1,800 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **OUA 35 Little Missouri River near Boughton--Continued** | | |
| May 13 | 1700 | *1,060 |
| June 3 | 1645 | *550 |
| July 8 | 1700 | *101 |
| Aug. 26 | 1700 | *75 |
| Sept. 23 | 1700 | *43 |
| **WHI 3 (07064000) Black River near Corning** | | |
| Oct. 2 | 1523 | 520 |
| Oct. 30 | 1656 | 502 |
| Nov. 20 | 1226 | 844 |
| Jan. 29 | 1015 | 857 |
| Feb. 26 | 1000 | 2,750 |
| Mar. 25 | 1100 | 2,680 |
| Apr. 23 | 1200 | 1,600 |
| May 20 | 1545 | 870 |
| June 24 | 1600 | 416 |
| July 23 | 1535 | 300 |
| Aug. 19 | 1130 | 362 |
| Sept. 16 | 1045 | 307 |
| **WHI 4 (07068850) Current River near Pocahontas** | | |
| Oct. 2 | 1615 | *1,560 |
| Oct. 30 | 1755 | *1,460 |
| Nov. 20 | 1143 | *1,500 |
| Jan. 29 | 0945 | *1,800 |
| Feb. 26 | 0930 | *3,500 |
| Mar. 25 | 1130 | *4,160 |
| Apr. 23 | 1045 | *3,120 |
| May 20 | 1505 | *2,320 |
| June 24 | 1500 | *1,570 |
| July 22 | 1415 | *1,240 |
| Aug. 19 | 1230 | *1,200 |
| Sept. 16 | 1225 | *1,090 |
| **WHI 5B (07072100) Eleven Point River near Pocahontas** | | |
| Oct. 23 | 1430 | *682 |
| Nov. 20 | 1130 | *642 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 5B Eleven Point River near Pocahontas--Continued** | | |
| Dec. 18 | 1100 | *729 |
| Jan. 22 | 1200 | *835 |
| Feb. 20 | 1100 | *1,300 |
| Mar. 18 | 1050 | *998 |
| Apr. 15 | 1100 | *1,390 |
| May 20 | 1145 | *925 |
| June 17 | 1130 | *774 |
| July 15 | 1330 | *603 |
| Aug. 12 | 1310 | *497 |
| Sept. 16 | 1245 | *447 |
| **WHI 9A (07050500) Kings River near Berryville** | | |
| Oct. 9 | 1030 | 10 |
| Nov. 6 | 1030 | 98 |
| Dec. 4 | 1020 | 165 |
| Jan. 8 | 1015 | c125 |
| Feb. 5 | 1025 | c60 |
| Mar. 4 | 1020 | c98 |
| Apr. 1 | 1000 | c1,180 |
| May 6 | 1055 | 425 |
| June 3 | 1000 | 468 |
| July 8 | 1115 | c16 |
| July 29 | 0940 | c2 |
| Aug. 26 | 1020 | 35 |
| Sept. 23 | 1445 | 4 |
| **WHI 10B (07050000) White River at Beaver** | | |
| Oct. 9 | 1135 | *b130 |
| Nov. 6 | 1115 | *b20 |
| Dec. 4 | 1105 | *b260 |
| Jan. 8 | 1100 | *b960 |
| Feb. 5 | 1120 | *b1,880 |
| Mar. 4 | 1115 | *b1,150 |
| Apr. 1 | 1050 | *b20 |
| May 6 | 1035 | *b160 |
| June 3 | 1100 | *b220 |
| July 8 | 1200 | *b2,170 |
| July 29 | 1045 | *b3,210 |
| Sept. 23 | 1345 | *b230 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 21 (07069370) Spring River at Ravenden** | | |
| Oct. 23 | 1530 | 510 |
| Nov. 20 | 1100 | 561 |
| Dec. 18 | 1030 | 828 |
| Jan. 22 | 1130 | 917 |
| Feb. 20 | 1030 | 1,550 |
| Mar. 18 | 1030 | 1,320 |
| Apr. 15 | 1030 | 2,060 |
| May 20 | 1115 | 939 |
| June 17 | 1115 | 592 |
| July 15 | 1430 | 408 |
| Aug. 12 | 1445 | 357 |
| Sept. 16 | 1415 | 319 |
| **WHI 22 (07069266) Spring River near Hardy** | | |
| Oct. 23 | 1630 | 360 |
| Nov. 20 | 1030 | 330 |
| Dec. 18 | 1000 | 370 |
| Jan. 22 | 1100 | 510 |
| Feb. 20 | 0945 | 735 |
| Mar. 18 | 0945 | 520 |
| Apr. 15 | 0945 | 935 |
| May 20 | 1030 | 500 |
| June 17 | 1030 | 390 |
| July 15 | 1515 | 260 |
| Aug. 12 | 1515 | 235 |
| Sept. 16 | 1500 | 200 |
| **WHI 23 (07069295) South Fork of Spring River at Saddle** | | |
| Oct. 23 | 0930 | 30 |
| Nov. 20 | 0915 | 51 |
| Dec. 18 | 0900 | 111 |
| Jan. 22 | 0945 | 123 |
| Feb. 20 | 0910 | 310 |
| Mar. 18 | 0900 | 130 |
| Apr. 15 | 0900 | 350 |
| May 20 | 0900 | 132 |
| June 17 | 0930 | 54 |
| July 15 | 1600 | 10 |
| Aug. 12 | 1615 | 8 |
| Sept. 16 | 1545 | 12 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 24 (07074100) Strawberry River near Smithville** | | |
| Oct. 23 | 1330 | *187 |
| Nov. 20 | 1245 | *142 |
| Dec. 18 | 1215 | *319 |
| Jan. 22 | 1300 | *288 |
| Feb. 20 | 1200 | *496 |
| Mar. 18 | 1245 | *619 |
| Apr. 15 | 1215 | *1,220 |
| May 20 | 1315 | *226 |
| June 17 | 1330 | *129 |
| July 15 | 1230 | *80 |
| Aug. 12 | 1210 | *62 |
| Sept. 16 | 1210 | *62 |
| **WHI 25 (07069000) Black River at Pocahontas** | | |
| Oct. 23 | 1500 | 1,980 |
| Nov. 20 | 1200 | 2,200 |
| Dec. 18 | 1130 | 3,220 |
| Jan. 22 | 1225 | 3,570 |
| Feb. 20 | 1115 | 7,810 |
| Mar. 18 | 1200 | 6,940 |
| Apr. 15 | 1115 | 7,320 |
| May 20 | 1230 | 3,150 |
| June 17 | 1200 | 1,960 |
| July 15 | 1345 | 1,450 |
| Aug. 12 | 1400 | 1,510 |
| Sept. 16 | 1310 | 1,380 |
| **WHI 26 (07077660) Bayou DeView near Gibson** | | |
| Jan. 29 | 1530 | 5 |
| Feb. 26 | 1545 | 13 |
| Mar. 25 | 1320 | 99 |
| Apr. 22 | 0745 | 36 |
| May 20 | 1300 | 6 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 27 (07077400) Cache River near Cash** | | |
| Oct. 2 | 1910 | *197 |
| Oct. 30 | 1638 | *c57 |
| Nov. 20 | 1015 | *28 |
| Jan. 29 | 1545 | *56 |
| Feb. 26 | 1600 | *525 |
| Mar. 25 | 1305 | *c992 |
| Apr. 22 | 0820 | *c461 |
| May 20 | 1330 | *75 |
| June 24 | 1250 | *c461 |
| July 22 | 1135 | *114 |
| Aug. 19 | 1415 | *227 |
| **WHI 31 (07077000) White River at DeValls Bluff** | | |
| Oct. 2 | 0910 | 17,700 |
| Oct. 30 | 1540 | 14,500 |
| Nov. 27 | 0920 | 12,000 |
| Feb. 5 | 0945 | 15,500 |
| Feb. 26 | 1505 | 17,900 |
| Mar. 25 | 1445 | 30,200 |
| Apr. 22 | 1420 | 31,400 |
| May 20 | 0900 | 25,800 |
| July 1 | 1430 | 17,700 |
| July 22 | 1505 | 13,100 |
| Aug. 19 | 0945 | 8,690 |
| Sept. 16 | 1430 | 5,820 |
| **WHI 34 (07074850) White River at Augusta** | | |
| Oct. 24 | 0700 | d19,200 |
| Nov. 20 | 1515 | d10,700 |
| Dec. 18 | 1430 | d11,400 |
| Jan. 22 | 1515 | d14,400 |
| Feb. 20 | 1400 | d17,100 |
| Mar. 18 | 1515 | d16,400 |
| Apr. 15 | 1645 | d25,000 |
| May 20 | 1545 | d20,300 |
| June 17 | 1545 | d11,500 |
| July 16 | 0730 | d13,800 |
| Aug. 12 | 0715 | d10,300 |
| Sept. 16 | 0830 | d7,100 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 37 (07077960) Big Creek near Watkins Corner** | | |
| Oct. 2 | 1410 | *880 |
| Oct. 30 | 1020 | *22 |
| Nov. 27 | 1425 | *4,600 |
| Feb. 5 | 1420 | *980 |
| Feb. 26 | 0955 | *410 |
| Mar. 25 | 1045 | *6,500 |
| Apr. 22 | 1005 | *4,200 |
| May 20 | 1340 | *690 |
| July 1 | 1010 | *700 |
| July 22 | 0935 | *630 |
| Aug. 19 | 1425 | *85 |
| Sept. 16 | 1010 | *140 |
| **WHI 41 (07076200) Little Red River near Wilburn** | | |
| Oct. 16 | 1515 | 2,910 |
| Nov. 13 | 1445 | 20 |
| Dec. 4 | 1445 | 20 |
| Feb. 5 | 1430 | 4,270 |
| Feb. 26 | 1445 | 4,550 |
| Mar. 25 | 1430 | 20 |
| May 6 | 1430 | 20 |
| May 20 | 1425 | 165 |
| June 24 | 1500 | 20 |
| July 22 | 1450 | 20 |
| Aug. 19 | 1430 | 20 |
| Sept. 16 | 1450 | 20 |
| **WHI 43 (07074900) Middle Fork Little Red River near Shirley** | | |
| Oct. 16 | 1345 | 3.6 |
| Nov. 13 | 1330 | 127 |
| Dec. 4 | 1315 | 92 |
| Feb. 5 | 1330 | 115 |
| Feb. 26 | 1315 | 208 |
| Mar. 25 | 1300 | 1,060 |
| May 6 | 1315 | 125 |
| May 20 | 1310 | 460 |
| June 24 | 1350 | 616 |
| July 22 | 1340 | 41 |
| Aug. 19 | 1315 | 0 |
| Sept. 16 | 1255 | 0 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 45 (07060010) North Fork River at Norfork** | | |
| Oct. 16 | 1155 | 2,680 |
| Nov. 13 | 1140 | 20 |
| Dec. 4 | 1115 | 20 |
| Feb. 5 | 1120 | 6,320 |
| Feb. 26 | 1120 | 6,270 |
| Mar. 25 | 1100 | 20 |
| May 6 | 1105 | 20 |
| May 20 | 1105 | 5,970 |
| June 24 | 1100 | 3,070 |
| July 22 | 1110 | 20 |
| Aug. 19 | 1050 | 3,110 |
| Sept. 16 | 1055 | 20 |
| **WHI 46 (07057370) White River near Norfork** | | |
| Oct. 16 | 1145 | *a5,970 |
| Nov. 13 | 1130 | *a11,600 |
| Dec. 4 | 1105 | *a8,640 |
| Feb. 5 | 1110 | *a4,060 |
| Feb. 26 | 1110 | *a3,630 |
| Mar. 25 | 1045 | *a5,520 |
| May 6 | 1050 | *a4,140 |
| May 20 | 1050 | *a9,070 |
| June 24 | 1045 | *a6,440 |
| July 22 | 1055 | *a1,810 |
| Aug. 19 | 1035 | *a3,540 |
| Sept. 16 | 1045 | *a2,100 |
| **WHI 47 (07054501) White River at Bull Shoals Dam** | | |
| Oct. 16 | 1045 | 13,400 |
| Nov. 13 | 1030 | 20,600 |
| Dec. 4 | 1020 | 4,580 |
| Feb. 5 | 1000 | 1,690 |
| Feb. 26 | 1000 | 15,000 |
| Mar. 25 | 0945 | 8,520 |
| May 6 | 1000 | 6,550 |
| May 20 | 0950 | 5,300 |
| June 24 | 1000 | 50 |
| July 22 | 1000 | 50 |
| Aug. 19 | 0945 | 2,090 |
| Sept. 16 | 0950 | 3,070 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **WHI 48A (07055608) Crooked Creek at Yellville** | | |
| Oct. 16 | 1005 | 0 |
| Nov. 13 | 0945 | 112 |
| Dec. 4 | 0940 | 48 |
| Feb. 5 | 0915 | 45 |
| Feb. 26 | 0930 | 65 |
| Mar. 25 | 0900 | 350 |
| May 6 | 0920 | 120 |
| June 24 | 0910 | 131 |
| July 22 | 0925 | 30 |
| **WHI 49 (07056000) Buffalo River near St. Joe** | | |
| Oct. 16 | 0900 | 40 |
| Nov. 13 | 0840 | 294 |
| Dec. 4 | 0830 | 173 |
| Feb. 5 | 0800 | c187 |
| Feb. 26 | 0800 | 342 |
| Mar. 25 | 0805 | 2,570 |
| May 6 | 0830 | c391 |
| May 20 | 0815 | c1,930 |
| June 24 | 0815 | c960 |
| July 22 | 0830 | c53 |
| Aug. 19 | 0850 | c23 |
| Sept. 16 | 0830 | c31 |
| **WHI 51 (07048550) West Fork White River East of Fayetteville** | | |
| Oct. 9 | 0820 | .14 |
| Nov. 6 | 0825 | 5.0 |
| Dec. 4 | 0835 | 8.5 |
| Jan. 8 | 0835 | 18.0 |
| Feb. 5 | 0835 | 12 |
| Mar. 4 | 0830 | 19 |
| Apr. 1 | 0835 | 305 |
| May 6 | 0750 | 58 |
| June 3 | 0750 | 42 |
| July 8 | 0905 | 2.0 |
| July 29 | 0745 | 0 |
| Aug. 26 | 0829 | 0 |
| Sept. 23 | 0705 | 0 |

See footnotes at end of table, p. 31.

Table 1.--Discharge at monitoring stations, water year October 1979 through September 1980--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| WHI 52 (07048700) White River near Goshen | | |
| Oct. 9 | 0900 | 17 |
| Nov. 6 | 0855 | 23 |
| Dec. 4 | 0900 | 39 |
| Jan. 8 | 0900 | 77 |
| Feb. 5 | 0905 | 54 |
| Mar. 4 | 0900 | 77 |
| Apr. 1 | 0953 | 1,040 |
| May 6 | 0825 | 234 |
| June 3 | 0830 | 131 |
| July 8 | 0930 | 20 |
| July 29 | 0810 | 15 |
| Aug. 26 | 0900 | 18 |
| Sept. 23 | 0715 | 13 |

* Daily mean discharge.
a Accuracy of measurement fair.
b Accuracy of measurement poor.
c Revised discharge from monthly request flow data.
d Possible backwater effect at all stages.

Table 2.--Discharge at monitoring stations, water year October 1978 through September 1979

[All discharges are in cubic feet per second and are instantaneous except those shown by asterisks, which are daily mean. Abbreviations used: ARK, Arkansas; FRA, St. Francis; OUA, Ouachita, WHI, White]

| Date | Time (hour) | Discharge |
|---|---|---|
| **FRA 4A (07029150) Mississippi River at Barfield** | | |
| Oct. 16 | 1500 | *176,000 |
| Nov. 20 | 1500 | *215,000 |
| Dec. 11 | 1430 | *643,000 |
| Jan. 22 | 1445 | *524,000 |
| Feb. 12 | 1430 | *326,000 |
| Mar. 5 | 1510 | *1,220,000 |
| Apr. 2 | 1500 | *1,150,000 |
| Apr. 30 | 1430 | *1,120,000 |
| June 19 | 1600 | *424,000 |
| July 10 | 1815 | *383,000 |
| Aug. 13 | 1810 | *447,000 |
| **FRA 8 (07040450) St. Francis River at Lake City** | | |
| Oct. 16 | 1250 | *c442 |
| Nov. 20 | 1250 | *1,740 |
| Dec. 11 | 130 | *c13 700 |
| **FRA 10 (07047964) L'Anguille River at Marianna** | | |
| Oct. 9 | 1150 | *b843 |
| Nov. 6 | 1240 | *b0 |
| Dec. 4 | 1135 | *b1,440 |
| **OUA 29 (07360162) Ouachita River near Sparkman** | | |
| Jan. 16 | 0755 | *5,240 |
| Feb. 21 | 0915 | *6,620 |
| June 13 | 1030 | *9,600 |
| July 24 | 0920 | *1,010 |
| Aug. 20 | 1555 | *1,340 |
| Sept. 11 | 1200 | *3,420 |

* Daily mean discharge.
b Accuracy of measurement poor.
c Revised discharge from monthly request flow data.

Table 2.--Discharge at monitoring stations, water year October 1978 through September 1979--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| OUA 30 (07359580) Ouachita River near Donaldson | | |
| Jan. 16 | 0900 | *3,060 |
| Feb. 21 | 1020 | *3,960 |
| Mar. 6 | 1215 | *11,900 |
| Apr. 10 | 1245 | *10,200 |
| May 8 | 1355 | *8,620 |
| June 13 | 1130 | *6,500 |
| July 23 | 1025 | *448 |
| Aug. 20 | 1700 | *1,320 |
| Sept. 11 | 1300 | *2,440 |
| OUA 35 (07361600) Little Missouri River near Boughton | | |
| Oct. 2 | 1245 | *97 |
| Nov. 6 | 1615 | *98 |
| Dec. 4 | 1700 | *2,670 |
| Jan. 16 | 1530 | *1,880 |
| Feb. 13 | 1430 | *2,840 |
| Mar. 13 | 1450 | *1,610 |
| Apr. 9 | 1500 | *11,500 |
| May 7 | 1500 | *5,810 |
| June 11 | 1530 | *1,260 |
| July 9 | 1530 | *138 |
| Aug. 7 | 1530 | *1,090 |
| Sept. 10 | 1700 | *113 |

* Daily mean discharge.

Table 3.--Discharge at monitoring stations, water year October 1977 through September 1978

[All discharges are in cubic feet per second and are instantaneous except those shown by asterisks, which are daily mean. Abbreviations used: ARK Arkansas; FRA, St. Francis; OUA, Ouachita; WHI, White]

| Date | Time (hour) | Discharge |
|---|---|---|
| **FRA 6 (07046500) Right Hand Chute of Little River at Big Lake Outlet, near Manila** | | |
| Jan. 3 | 1320 | *740 |
| Mar. 7 | 1400 | *6,220 |
| Mar. 21 | 1315 | *9,570 |
| Apr. 4 | 1320 | *2,780 |
| Apr. 24 | 1250 | *1,940 |
| May 22 | 1230 | *1,490 |
| June 19 | 1330 | *1,100 |
| July 18 | 1330 | *1,860 |
| Aug. 29 | 1400 | *1,050 |
| Sept. 18 | 1400 | *980 |
| **FRA 8 (07040450) St. Francis River at Lake City** | | |
| Oct. 3 | 1245 | *6,200 |
| Oct. 31 | 1220 | 587 |
| Nov. 28 | 1240 | 1,270 |
| Jan. 3 | 1230 | *3,350 |
| Mar. 7 | 1300 | *4,570 |
| Mar. 21 | 1245 | *10,200 |
| Apr. 4 | 1220 | *6,870 |
| Apr. 24 | 1215 | *2,730 |
| May 22 | 1155 | *1,270 |
| June 19 | 1300 | *601 |
| July 18 | 1300 | *2,430 |
| Aug. 29 | 1330 | *415 |
| Sept. 18 | 1300 | *501 |
| **FRA 10 (07047964) L'Anguille River at Marianna** | | |
| Jan. 23 | 1230 | *b2,770 |
| Feb. 21 | 1155 | *b2,920 |
| Mar. 20 | 1240 | *b2,750 |
| Mar. 21 | 1240 | *b2,490 |
| Apr. 17 | 1150 | *b539 |
| May 15 | 1125 | *b4,770 |

* Daily mean discharge.
b Accuracy of measurement poor.

Table 3.--Discharge at monitoring stations, water year October 1977 through September 1978--Continued

| Date | Time (hour) | Discharge |
|---|---|---|
| **FRA 10 L'Anguille River at Marianna--Continued** | | |
| June 12 | 1235 | *b1,400 |
| July 11 | 0830 | *b402 |
| Aug. 14 | 1325 | *b588 |
| Sept. 11 | 1145 | *b2,680 |
| **OUA 35 (07361600) Little Missouri River near Boughton** | | |
| Jan. 23 | 1500 | *1,320 |
| Feb. 21 | 1530 | *1,010 |
| Mar. 20 | 1515 | *923 |
| Apr. 10 | 1600 | *282 |
| May 15 | 1530 | *1,240 |
| June 12 | 1530 | *202 |
| July 17 | 1530 | *78 |
| Aug. 14 | 1500 | *430 |
| Sept. 11 | 1530 | *55 |

* Daily mean discharge.
b Accuracy of measurement poor.